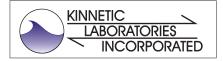
VIBRACORE NO. 1A

Page 1 of 9

Job No.:	5274.02						Date:30	June	2004 Vessel: KLI Barge		
Project: C	Colorado L	agoon Re	storati	ion Fe	asibili	ty Study_	Logged By	: <u>N</u> M	1 Tube Length:15 ft.		
Latitude:	33.77222						Cored By:	DP	Tube Diameter: 4 in.		
Longitud	e: 118.136	34						Start Time: 10:33 Elapsed Time:			
Water De (Measure	pth: <u>12.2</u>	ft Wate	er Dept	h:		(MLLW)	Mudline Elevation: Depth of Core Required: (MLLW) (bgs)				
Depth in Feet	Ler	Recovered	Interval	Number Number	Container*	ЫН	Pocket Penetrometer	Graphic Log	Weather: Sunny/warm  Seas:  Notes:  Lithologic Description  SC- SILTY FINE SAND v. dark olive brown, low plasticity,		
	9.0 ft	8.7 ft	Top	Z	00	Id	P. P	5			
18—											
19											
20											
							<del> </del>				

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF CORING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED ARE A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED.



\*Container Types

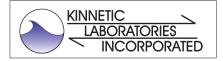
B = Bag BB = Bulk BagL = Liner BL = Brass Liner

VIBRACORE NO. 1B

Page 2 of 9

Project:  Latitude:  Longitude	5274.02 Colorado I : 33.77168 de: 118.135 epth: 9.8 f	Lagoon Re		:h:			Logged By Cored By: Start Time: Mudline El	DP 11:3	n: Depth of Core Required: (bgs)
Depth in Feet	Ler bayed	Recovered Interval Number Container*					Pocket Penetrometer	Graphic Log	Weather: Sunny/warm Seas: Notes: Lithologic Description
- 1	9.0 ft	6.6 ft	Top						ML- CLAYEY SILT with trace v. Fine sand. Dark brown to black, low plasticity, v. Soft, slight hydrocarbon/strong sulfur odor, saturated, trace rootlets.  CL- SILTY CLAY Olive gray green, low plasticity, soft, firming down core, <5% fines. Wet, firmer than above Sediments.
	1								

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\*Container Types

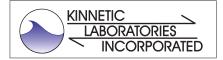
B = Bag BB = Bulk Bag L = Liner BL = Brass Liner

VIBRACORE NO. 1C

Page 3 of 9

Job No.:	5274.02	,					Date:30	June	2004 Vessel: KLI Barge			
Project: C	Colorado L	agoon Re	storati	on Fe	asibili	ty Study			1 Tube Length: _15 ft.			
Latitude:	33.77172								Tube Diameter: 4 in.			
Longitud	e: 118.136	11					Start Time:	Start Time: 12:09 Elapsed Time:				
Water De (Measure		Wate	er Dept	h:		(MLLW)	(MLL	Mudline Elevation: Depth of Core Required: (MLLW) (bgs)				
	Ler	ngth	S	ample			Pocket Penetrometer	go	Weather: Sunny/warm			
oth et	eq	Recovered	al	er	Container*		t ome	Graphic Log	Seas:			
Depth in Feet	Pushed	3000	Interval	Number	ntai	_	cke	aph.	Notes:			
	Д.	Re	In	Z	Coo	ЫН	Pc Pe	<u>5</u>	Lithologic Description			
_	<b>1</b>	<b>^</b>							SC- CLAYEY SAND with slight plasticity, v. dark brown, v. soft, strong organic odor. 80% fine sand, 10% fines,			
<u></u> 1 − 1	\ /	\ /							saturated.			
	] \ /	$  \   \  $							SM- SILTY SAND, v. dark brown, no plasticity, loose, poorly			
	\ /	\ /	Top						sorted, ~10% fines, 90% v. Fine to coarse sed. Wet, abundant shell hash, lithics, and organic material (beach fill?).			
<u></u> 3 −	\ /	I						吊	Sion mass, mass, and organic material (court min).			
	] \/	$  \ \ \rangle$							CL- LOW PLASTICITY CLAY, dark olive gray. Soft, <5%			
"	ł X							//////////////////////////////////////	very fine sand, wet.			
5 —	] /\	/ \	Bottom						SM- SILTY SAND, v. dark brown, no plasticity, loose, 80% fine sand, 20% fines (silt).			
<u></u> 6 −	/ \	/ \										
<u> </u>	/ \	/ \										
_ / _	] / \	7.0 ft										
─ 8 ─	/ \											
	/ \											
_ , _	9.0 ft											
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<u>18</u>												
 19	-											
								_				
_ 20 _	-											

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\*Container Types

B = Bag

BB = Bulk Bag L = LinerBL = Brass Liner

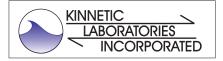
C = Composite $\mathbf{J}=\mathbf{Jar}$ 

VIBRACORE NO. 2A

Page 4 of 9

	5274.02						Date:01	July 2	2004 Vessel: KLI Barge		
Project: C	Colorado L	Lagoon Re	storati	ion Fe	asibili	ty Study		Logged By: NM Tube Length: 15 ft.			
Latitude:	33.77073								Tube Diameter: 4 in.		
	e: 118.132							Start Time: 8:54 Elapsed Time:			
Water De (Measure	d)		er Dept	h:		(MLLW)	(MLL	Mudline Elevation: Depth of Core Required: (MLLW) (bgs)			
	Ler	ngth —	S	ample		-	Pocket Penetrometer	go	Weather: Sunny/warm		
Depth in Feet	peq	Recovered	val	ber	Container*		rom	Graphic Log	Seas:		
De ii Fe	Pushed	COV	Interval	Number	ntai	bH.	ocke enet	rapl	Notes:		
		, B	_=	2	ပိ	Ъ	A A	9	Lithologic Description		
- - 1 -									ML- CLAYEY SILT, v. dark olive brown, low plasticity, v. soft, 5-10% v. fine sediment, 90-95% silt and clay, saturated, some shells, trace worms (live).		
_ <sub>2</sub> _	\ /	\ /									
<u> </u>	\ /	$  \   \  $	Тор					\///////	CL- LOW PLASTICITY CLAY, v. dark olive gray. Soft, 5%		
3 —	\ /	\ /	Тор					<b>/</b> ///////////////////////////////////	v. fine sand, 95% silt and clay, wet.		
<u> </u>	\/	ΙV						\////////			
<u> </u>	ĺχ	$  \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$									
5 	/\	/ \	Bottom					.]]]]]]]]	CL- SANDY CLAY, lt brown, soft, 45% v. fine sand, 55% sand		
<u> </u>	/ \	/ \						!	and silt, wet to moist.		
7 —	/ \	/ \									
' -	/ \	/ \									
─ 8 ─	/ \	/ \									
_ 9 _	9.0 ft	8.5 ft									
<u> </u>	9.0 ft										
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\*Container Types

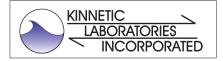
B = Bag BB = Bulk Bag L = Liner BL = Brass Liner

VIBRACORE NO. 2B

Page\_5\_ of \_9

Job No.:	5274.02						Date:01	July 2	2004 Vessel: KLI Barge		
Project: C	Colorado L	agoon Re	storati	ion Fe	asibili	ty Study			Tube Length: 15 ft.		
	33.77116								Tube Diameter: 4 in.		
_		26					Start Time:				
Water De (Measure	pth: 11.11	ft Wate	er Dept	h:		(MLLW)	(MLL	(MLLW) (bgs)			
	Ler	igth	S	ample		-	Pocket Penetrometer	go	Weather: Sunny/warm		
Depth in Feet	ned	Recovered	val	ber	Container*		et irom	Graphic Log	Seas:		
D <sub>i</sub>	Pushed	000e	Interval	Number	onta	PH	ocko	ìrap	Notes:		
		N Z			ŭ	Д.	44		Lithologic Description		
L 1 _	\ <i> </i>	<u> </u>							ML- CLAYEY SILT, dark brown to black, low plasticity, v. soft, slight hydrocarbon/strong sulfur odor, saturated, trace		
' -	\ /	\ /						된단	organics		
_ 2 _	\								SM- SILTY SAND, tan to lt. brown, loose, med to coarse grains, coarsening down core, 85% med to coarse sand, 15%		
_ 3 _	\ /	\/	Тор						fines, wet.		
<u> </u>	\	X									
4	<b> </b>								SP-POORLY GRADED SAND with shell hash. Gray, loose,		
<u></u>	/\								95% coarse sands and shell hash 0.5-2 cm in diameter, saturated.		
_ 4 _			Bottom					<b>/</b> ///////////////////////////////////	CL- LOW PLASTICITY CLAY dark olive gray. Soft, 5%		
	/ \	/ \						<b>V</b> ////////////////////////////////////	v. fine sand, 95% clay and silt, wet.		
<del> 7</del>	/ \	7.0 ft	V					<b>V</b>			
− 8 −	/ \										
	/										
	9.0 ft										
10											
_ <sub>11</sub> _											
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 $\mathbf{J}=\mathbf{Jar}$ 

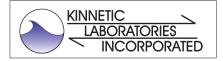
C = Composite

VIBRACORE NO. 2C

Page 6 of 9

Project: C Latitude: Longitude	5274.02 Colorado I 33.77055 e: 118.131 pth: 12.63	agoon Re 98 ft Wate		h:			Logged By Cored By: Start Time: Mudline El	Date:         01 July 2004         Vessel:         KLI Barge           Logged By:         NM         Tube Length:         15 ft.           Cored By:         DP         Tube Diameter:         4 in.           Start Time:         10:30         Elapsed Time:		
Depth in Feet	Ler paysnd	Recovered	Interval	Number Number	Container*	РН	Pocket Penetrometer	Graphic Log	Weather: Sunny/warm Seas: Notes: Lithologic Description	
- 1	9.0 ft	8.5 ft	Top			4			Lithologic Description  ML- CLAYEY SILT, black to v. dark olive gray, low plasticity, v. soft, strong organic odor, 5% v. fine sand, 95% silt and clay. Saturated, trace shells.  SC- SILTY FINE SAND olive green, soft. Slight organic odor, slight plasticity, 60% v. Fine sand, wet.  CL- LOW PLASTICITY CLAY dark olive green. Soft, odorless, <5% sand, wet.	

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\*Container Types

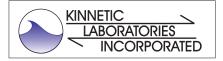
B = Bag BB = Bulk BagL = Liner BL = Brass Liner

VIBRACORE NO. 3A

Page 7 of 9

	5274.02						Date:30	June	2004 Vessel: KLI Barge			
Project: C	Colorado L	Lagoon Re	storati	on Fe	asibili	ty Study	Logged By	: <u>NN</u>	1 Tube Length:15 ft.			
Latitude:	33.77281								Tube Diameter: 4 in.			
Longitud	e: 118.132	48						Start Time: 16:32 Elapsed Time:				
Water De (Measure	pth: <u>6.6ft</u>	Water (Co	er Dept	h:		(MLLW)	(MLL	Mudline Elevation: Depth of Core Required: (MLLW) (bgs)				
	Length Samples						Pocket Penetrometer	go	Weather: Sunny/warm			
oth of	eq	Recovered	/al	er	Container*		t rom	Graphic Log	Seas:			
Depth in Feet	Pushed	000	Interval	Number	ntai		cke	raph	Notes:			
		Re	19	Z	သိ	h-H-H	Pe	_ □ = =	Lithologic Description			
L 1 _	\ /	[\ <i>/</i>	Тор						SC- CLAYEY SILT, black to v. dark olive gray, low plasticity, v. soft, strong organic odor, 5% v. fine sand, 95% silt and			
_ ' _	\	\ /	Bottom						clay. Saturated, trace shells. CL- MODERATE PLASTICITY CLAY olive green, soft. Slight			
_ 2 _	\	$  \setminus  $							organic odor, slight plasticity, 60% v. Fine sand, wet.			
_ 3 _	$  \ \  $	\ /										
-	\ /	V										
<u> </u>	V	/\							trace 1-2cm organic layers			
_ 5 _		/ \							Ç ,			
	/\	/ \										
6 —	/ \	/ \						<del> </del>	CL- LOW PLASTICITY CLAY black, less than 20% medium			
_ 7 _	/ \	/ \						!////////	grained sand, stiff, v. strong organic odor, moist to damp			
		7.4 ft	1					!				
─ 8 ─	/ \	720						<b>]</b>				
_ 9 _	9.0 ft	Į.										
_	9.0 ft											
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\*Container Types

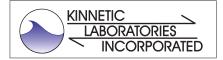
B = Bag BB = Bulk Bag L = Liner BL = Brass Liner

VIBRACORE NO. 3B

Page 8 of 9

Job No.:	5274.02						Date:30	June	2004 Vessel: KLI Barge			
Project: C	Colorado I	agoon Re	storati	ion Fe	asibili	ty Study	Logged By	: <u>NN</u>	1 Tube Length: _15 ft.			
Latitude:	33.77250						Cored By:	_DP	Tube Diameter: 4 in.			
Longitud	e: 118.132	00						Start Time: 17:00 Elapsed Time:				
Water De (Measure	epth: 9 ft	Wate	er Dept	h:		(MLLW)	(MLL	Mudline Elevation: Depth of Core Required: (MLLW) (bgs)				
	Ler	gth	S	ample			Pocket Penetrometer	goʻ	Weather: Sunny/warm			
pth et	led	Recovered	/al	coer	Container*		rom	Graphic Log	Seas:			
Depth in Feet	Pushed	C00	Interval	Number	ntai	<u> </u>	ocke	rapk	Notes:			
		Re	Ir	Z	ပိ	ЫН	P.C.		Lithologic Description			
	<b>/</b>	<u> </u>						[	SC- CLAYEY SAND, dark olive gray-green, v. soft, 75% med. sand. 25% fines, saturated, trace shell hash			
<u></u> 1 −	\ /	\ /	_						sand, 25% fines, saturated, trace shell hash SM- POORLY GRADED SAND with silt, fine to coarse grains, possible fill?			
	] \ /	$  \setminus  $	Тор						possible int? SC/ML- SILTY FINE SAND, slight plasticity.			
<u> </u>	\/							-				
3 —	] X	$  \wedge  $	Bottom						SM- SILTY SAND tan to brown, compact, 10-15% fines,			
L 4 -	/\	/ \	Doutoin					指於	90% fine sand, moist.			
F . –	/ \	/ \										
5 —	] / \	/ \										
<u> </u>	/ \	5.8 ft										
	6.5 ft											
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\*Container Types

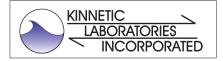
B = Bag BB = Bulk Bag L = Liner BL = Brass Liner

VIBRACORE NO. 3C

Page 9 of 9

Job No.:	5274.02						Date:30	June	2004 Vessel: KLI Barge		
Project: C	Colorado L	agoon Re	storati	ion Fe	asibili	ty Study	Logged By	: <u>NN</u>	1 Tube Length: _15 ft.		
Latitude:	33.77195						Cored By:	DP	Tube Diameter: 4 in.		
Longitud	e: 118.132	12						Start Time: 17:48 Elapsed Time:			
Water De (Measure	pth: 11.21	ft Wate	er Dept	h:		(MLLW)		Mudline Elevation: Depth of Core Required: (MLLW) (bgs)			
Depth in Feet	Ler	Recovered	Interval	Number Number	Container*	HA .	Pocket Penetrometer	Graphic Log	Weather: Sunny/warm Seas: Notes:  Lithologic Description  SC- CLAYEY SAND, v. Dark gray brown, v. Soft and loose, slight hydrocarbon, strong organic odor. 25% silt and clay,		
2 3			Top						75% fine to medium sand, saturated. Trace broken shells and organic material.  ML/CL- SILTY CLAY, v. Dark gray brown, low plasticity, soft to		
4 5 									stiff, 5% v. fine sand, 95% clay and silt, abundant organic material, slight organic odor, wet.  SM- POORLY GRADED SAND with silt, dark gray, loose, 90%		
- 6 - - 7 - 									fine to coarse sand, wet.  CL- LOW PLASTICITY CLAY dark olive brown, soft, 5% v. fine sand, 95% clay and silt, wet		
8 — — 9 —	9.0 ft	8.3 ft						<u> </u>			
10 —											
— 11— — 12—											
- 13 —											
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THE CLIMAL ARX	A DDI IEC ONI V	AT THE LOCATI	ION OF T	HE DODIN	IC AND A	THE TIME OF C	ODDIC CUDCUDEA	CE CONE	INTIGNS MAY DIEFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE		

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\*Container Types

B = Bag BB = Bulk Bag

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